

ABSTRACT

A method and system for remotely controlling a locomotive. The system includes a remote control unit, a repeater module and a trail controller positioned onboard the locomotive. The components of the system are assigned time intervals during which they are permitted to transmit a signal over a communication channel. A first time interval is assigned to the remote control unit for transmission of remote control signals over a first communication channel. A second time interval is assigned to the repeater module for transmission of remote control signals over the first communication channel, the first time interval and the second time interval being non-overlapping. A third time interval is assigned to the trail controller mounted onboard the locomotive for transmission of trail controller signals over a second communication channel distinct from the first communication channel. A fourth time interval is assigned to the repeater module for transmission of trail controller signals over the second communication channel, the third time interval and the fourth time interval being non-overlapping.